scala rider®

PACKTALK™

Bluetooth® | DMC™ Dynamic Meshwork Communication

User Guide

cardo

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IMPORTANT:

This is version 1.0 of the User Manual. Please note, that the manual is periodically updated on the Cardo website to include the very latest features and functions.

*Please visit **www.cardosystems.com/download/manuals** to check if the manual you are holding is the most updated version and to download the manual in your preferred language.*

1. INTRODUCTION

Thank you for choosing the scala rider PACKTALK™ communication and entertainment system for motorcycle helmets.

If you have purchased the PACKTALK DUO, your retail box contains two factory-paired units.

The scala rider PACKTALK offers the following key features:

INTERCOM OPTIONS

Dual *DMC*™ (Dynamic Meshwork Communication) and *Bluetooth*® intercom technologies on board - with a range of up to 1 mile / 1.6 km* bike-to-bike in full duplex.

***DMC* Intercom Mode:**

- For large groups of riders over a dynamic auto-adaptive mesh
- Seamless group communication - each rider connects independently
- Up to 3 miles / 5 km intercom range with 4 or more riders in DMC mode

***Bluetooth* Intercom Mode:**

- "1+8" Toggling with 8 additional buddies
- Conference - Between 2, 3 or 4 riders using Channels "A" and "B"
- *Click-to-Link*®: For spontaneous connection with other *CTL*-enabled riders nearby

MULTIPLE DEVICE CONNECTIVITY

Dual headset profile to connect 2 devices simultaneously for use with:

- Mobile phones (require *Bluetooth* connection)
- GPS navigation systems (require *Bluetooth* connection)
- MP3 players (wireless via A2DP / AVRCP)

ENTERTAINMENT OPTIONS

- Audio streaming via devices supporting *Bluetooth* Stereo A2DP and AVRCP profiles
- Music Sharing: Rider and Passenger can enjoy the same stereo music (via A2DP)
- Built-in FM Radio with 6 station presets and automatic tuning

CARDO COMMUNITY® and *CARDO SMARTSET* APP

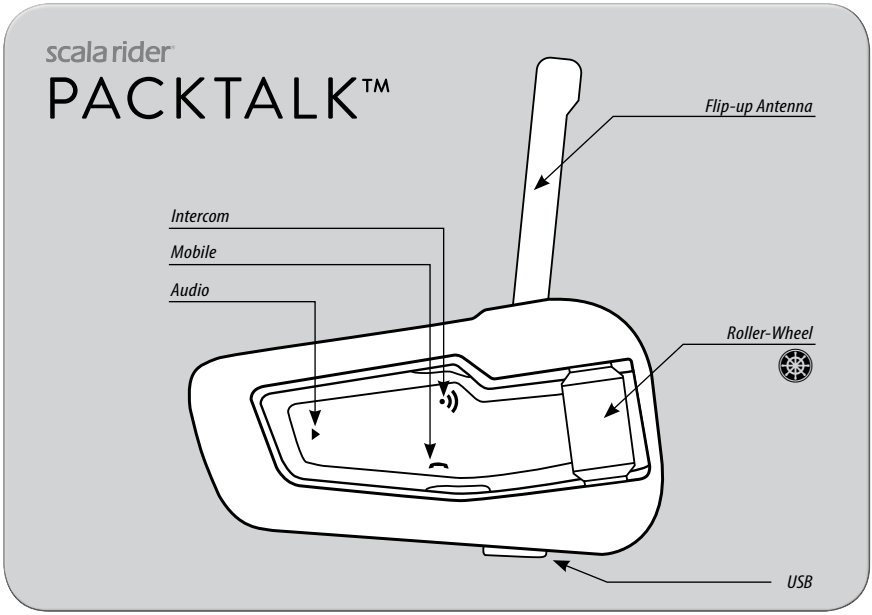
- Download the latest software upgrades and get new features
- Use your smartphone as a Remote Control on the handlebar
- Easily add and remove paired devices
- Customize your scala rider PACKTALK settings

ADVANCED TECHNOLOGY

- ➤ Voice Commands for safe and hands-free operation of key functions
- ➤ AGC and VOX technologies to automatically adjust speaker volume and microphone sensitivity according to ambient noise and riding speed (Customizable and Pat. Pending)
- ➤ Spoken status announcements (multi-lingual)
- ➤ Volume Per Mode: Volume is set and saved at different levels for each audio source

We wish you a great experience with your scala rider PACKTALK and encourage you to write us at **support@cardosystems.com** with any questions, suggestions or comments you may have.

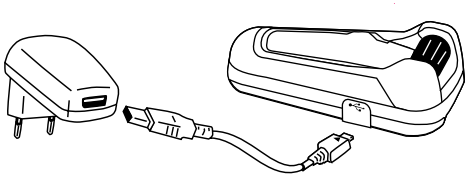
* Under tough environmental conditions (dense forest, narrow buildings, heavy traffic), intercom range will be reduced. Once conditions improve, the range will increase again.



scala rider PACKTALK button layout

2. CHARGING THE BATTERY

Make sure that the battery is fully charged for at least 4 hours before initial use.



Charging with the wall charger is faster than via a computer USB port.
• RED LED ON – Charging • RED LED OFF – Charging complete.

Android App users can find a battery indicator in the bottom right-hand corner of the App.

iOS App users can find a *Bluetooth* headset battery indicator icon next to the battery icon on their Apple device.

	The scala rider PACKTALK is waterproof and dustproof. However, when in use, the USB silicone cover should be kept tightly closed to prevent moisture from entering the unit.

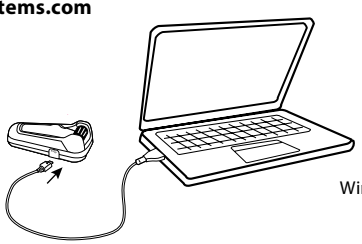
3. CUSTOMIZATION AND SETTINGS

Get the most out of your scala rider by changing the settings and customizing your unit according to your own personal preferences.
There are three ways to change the settings: via the *Cardo Community* on a PC / Mac*, the *Cardo SmartSet* App or from the Settings Menu on your device.

	Cardo Community	SmartSet App	Settings Menu
Create, join or leave a pack of riders	×	✓	✓
Set your Buddy name for 1+8 Intercom	✓	×	×
Add friends to your Buddy list	✓	×	×
Create and join tours and invite your friends	✓	×	×
Download the latest firmware upgrade	✓	×	×
Set the 6 FM radio presets	✓	✓	×
Hot-Dial number	✓	✓	×
Intercom-to-Phone (Enable/Disable)	✓	✓	×
RDS (Enable/Disable)	✓	✓	✓
Audio priority (A2DP/Intercom)	✓	✓	✓
Parallel Audio Streaming settings (Enable/Disable)	✓	✓	✓
Intercom Mode (DMC/Bluetooth)	✓	✓	✓
Voice Recognition language	✓	✓	✓
Spoken Status Announcements (Enable/Disable)	✓	✓	✓
AGC sensitivity for the speakers (Off/Low/Medium/High)	✓	✓	✓
VOX Operation Mode (Voice Command/Call Intercom)	✓	✓	✓
VOX sensitivity for the microphone (Off/Low/Medium/High)	✓	✓	✓
Click-to-Link settings (Enable/Disable)	✓	✓	✓

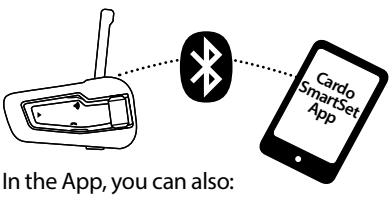
3.1 CARDO COMMUNITY WEB PLATFORM

Visit **http://community.cardosystems.com**



Minimum Requirements:
Windows® XP™ / Mac OS X 10.7

3.2 *CARDO SMARTSET* APP*



In the App, you can also:

- Add / Remove Intercom pairings
- Make Phone / Intercom calls
- Control your music
- Find / Change radio stations
- Set volume levels for each audio source

Download on the App Store

ANDROID APP ON Google play

Minimum Requirements:
Android: 3.0, iOS (phones): 6.0, iOS (tablets): 3.0

* App available only on iOS and Android devices

3.3 MENU NAVIGATION

Use the roller-wheel (⊛) to access and navigate the built-in menus to easily operate and customize your scala rider PACKTALK.

The Feature menu will vary according to which mode you are in (Standby/A2DP Music/FM).

The Settings menu and Advanced Settings menu can be accessed only in Standby Mode.

Menus are available in several languages.

Enter Feature Menu	Double-tap ⊛
Enter Settings Menu	In Standby, tap ⊛ three times
Select	Tap ⊛ or ◐
Back / Up	Tap ◓ (only in Settings menu)
Exit Menu	Press ◓ for 2 seconds

Settings Menu (3 taps on ⊛)
A2DP / Intercom audio priority
VOX Operation Mode
Spoken Status Announcements
Click-to-Link
AGC
RDS
VOX
Parallel Audio Streaming
Language

Standby mode menu
Play Music
Play Radio
Start Intercom (only in BT Intercom mode)
Voice Dial
Redial
Hotdial
Switch Intercom mode (DMC/Bluetooth)
Advanced Features Menu

A2DP mode menu
Scan tracks up
Scan tracks down
Start Music Sharing
Stop Music Sharing

FM Radio mode menu
Auto Scan 6 stations
Seek stations up
Scan stations up
Scan stations down

Advanced Features Menu

in *DMC* Intercom mode	**in *Bluetooth* Intercom mode**
Mute / Unmute the Pack	Pair Intercom Channel A
Create a Pack	
Join a Pack	Pair Intercom Channel B
Leave the Pack	
Pair Mobile Phone to Channel 1	
Pair Mobile Phone to Channel 2	
Pair GPS to Channel 1	
Pair GPS to Channel 2	
Cardo Gateway on Intercom Channel B (pairing with non-Cardo devices)	
Reset Mobiles and GPS pairing	
Reset Channel A & B pairing	
Reset 1+8 Buddy pairings	
Reset to Factory settings	

4. GETTING STARTED

4.1 GENERAL FUNCTIONS

Power ON / OFF	Press ⏻ for 2 seconds ON: 3 BLUE flashes + ascending tone OFF: 3 RED flashes + descending tone
Volume	Roll the ⊛ forward or backward to adjust and set volume of current audio source
Mute	Roll the ⊛ backward and then forward very fast
Hear Your Buddy Name	In Standby, press 🔊 and ⊛ simultaneously for 2 seconds
Play Paired Buddy List	In Standby, press ⊛ for 2 seconds
Enable / Disable VOX (For Intercom / Voice Commands only)	In Standby, tap 🔊 and ⊛ simultaneously • Enabled: Blue flash for 2 seconds • Disabled: Red flash for 2 seconds

4.2 STATUS LIGHTS

None	**OFF**
1 BLUE flash every 3 seconds	**Standby in Bluetooth mode** – No active audio
1 GREEN flash every 3 seconds	**Standby in DMC mode** – No active audio
1 RED flash every 3 seconds	**Standby** – Battery is low
2 BLUE flashes every 3 seconds	**Active audio in Bluetooth mode** Call in progress / music or other audio source is ON
2 GREEN flashes every 3 seconds	**Active audio in DMC mode** Call in progress / music or other audio source is ON
2 RED flashes every 3 seconds	**Active audio** – Battery is low
Solid RED	Charging / USB connected

4.3 PARALLEL AUDIO STREAMING AND AUDIO SOURCE PRIORITIES

The scala rider PACKTALK can stream audio from two connected sources simultaneously, so that you can listen to your music or the radio while holding an intercom conversation. Parallel Audio Streaming is automatically disabled during mobile phone conversations.

By default, Parallel Audio Streaming is enabled. See section 3 to adjust the settings. If disabled, the scala rider will automatically determine which audio source to play based on the priority of the connected devices.

Higher Priority

Lower Priority

1. **Mobile Phone or GPS instructions***
2. **Intercom (DMC and Bluetooth modes)**
3. **A2DP (Stereo *Bluetooth*) audio**
4. **FM Radio (Built-in)**

**GPS instructions from Smartphone GPS Apps are prioritized like A2DP audio*

A2DP audio priority can be configured to be higher than Intercom. See section 3 to adjust settings.

- Incoming **mobile phone calls** interrupt ongoing **intercom calls**
- Incoming **intercom calls** will interrupt **FM radio**
- Intercom modes all have the same priority - ongoing intercom calls will not be interrupted by any other intercom call

4.4 VOICE COMMANDS

The Voice Commands allow you to perform certain actions by simply using your voice. Using advanced Voice Recognition, you can control the PACKTALK completely handsfree.

The default Voice Command language is English. Other languages are also available - see section 3 to adjust settings.

Throughout this manual, features which are available via Voice Command are marked with the 💬 icon.

1. With no call in progress, tap ⊛ or speak any word loudly to activate VOX
2. Speak a Voice Command from the table below:

Current Mode	Desired Action	Say this:
Standby / FM / A2DP	Hear Voice Command List	***"Command List"***
	"1+8" Intercom Call	***<<Say Buddy Name*>>***
	Intercom call with A or B	***"Call Intercom"***
Standby	Start A2DP	***"Music ON"***
	Turn on FM	***"Radio ON"***
	Change Intercom Mode	***"Switch mode"***
	Battery Status	***"Battery Status"***
FM Radio	Turn off FM	***"Radio OFF"***
	Next Station Preset	***"Next Station"***
	Previous Station Preset	"***Previous Station***"
A2DP Music	Stop / Pause A2DP	***"Music OFF"***
	Next Track	***"Next Track"***
	Previous Track	"***Previous Track***"
DMC Intercom	Mute the Pack	***"Mute the Pack"***
	Unmute the Pack	***"Unmute the Pack"***

*see Section 5.2a for details

Voice Recognition performance may vary based on environmental conditions including driving speed, helmet type and ambient noise.

For improved performance of the Voice Command feature, minimize wind impact on the microphone by using the large microphone sponge and closing the visor.

4.5 VOICE CONNECT (VOX)

The PACKTALK has VOX technology for safe and hands-free operation of some key functions. See section 3 to adjust VOX settings.

VOX Activation	Speak any word loudly into the microphone
Answer a call	Speak any word loudly into the microphone
Reject a call	Remain silent for about 15 seconds
VOX Sensitivity (Default: Medium)	**High:** Use this setting if it is difficult to activate VOX **Low:** Use this setting if it is too easy to activate VOX
VOX Operation Mode	Set VOX to either activate the Voice Command (default) or to start an Intercom Call.
Enable/Disable VOX (For Intercom/Voice Commands only)	In Standby, tap and simultaneously • **Enable:** Blue flash for 2 seconds • **Disable:** Red flash for 2 seconds

5. INTERCOM

The scala rider PACKTALK is the world's first communication and entertainment system to contain TWO intercom technologies that work to complement each other.

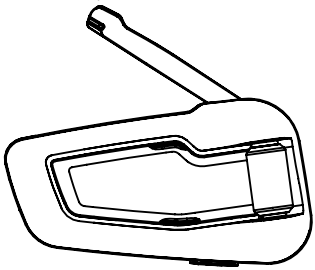
DMC™ intercom mode enables large groups of riders to communicate via intercom independently of each other, seamlessly and automatically adapting to rapid changes of the group.

Bluetooth intercom mode is compatible with other *scala rider* intercom models, the *cardo SHO-1* and Schubert's *SRC-System*™. Non-Cardo devices can connect via the Cardo Gateway, allowing conversation between your PACKTALK and a non-Cardo brand of *Bluetooth* intercom.

All intercom communication is full duplex with a range of up to 1 mile / 1.6 km (subject to terrain and within line of sight). In DMC mode, intercom range can be extended to up to 3 miles / 5 km in groups of 4 or more riders.

Intercom range with other models is limited to the distance of the device with the shorter range.

For more info please visit **www.cardosystems.com/PTcompatibility**



Open the antenna for maximum range

To chat with someone via Intercom, first pair your scala rider PACKTALK to the second unit. Pairing is a one-time process. Once paired, the units should automatically recognize each other whenever in range.

5.1 *DMC* INTERCOM MODE

The default intercom mode is *Bluetooth* Intercom. To switch to *DMC* intercom mode:

- Enter the Standby Feature menu and choose 'Switch Intercom mode'
- Use the Voice Command (see section 4.4)
- Use the *Cardo SmartSet* App (see section 3.2)

Introduction

The scala rider PACKTALK uses *DMC* technology to create a spontaneous and fluid virtual network of riders. *DMC* enables simultaneous connectivity among a far greater number of riders than the *Bluetooth* intercom mode.

How *DMC* technology works

In *DMC* intercom mode, each rider acts as an autonomous hub that maintains simultaneous and independent communication links with each of the other members in the pack, operating in a mesh network of PACKTALK users.

PACKTALK users may join, leave and rejoin the pack conversation without compromising the integrity of the ongoing multi-point conference call among the other pack members.

Whenever a PACKTALK user cannot directly connect with pack members beyond his intercom reach, it will re-adjust within split seconds and re-connect to the most suitable other pack member in order to 'leapfrog' to the remote PACKTALK user.

Create a new pack and add members to the pack

In *DMC* mode, press for 5 seconds to enter intercom pairing mode. While the LED is flashing, tap to define yourself as the "Pack Creator". Your unit will then proceed to search for pack members in *DMC* intercom pairing mode and automatically add them to your pack. If no units are found within 2 minutes, your unit will return to Standby mode. The process can also be done from the Advanced Features Menu in Standby mode and via the *Cardo SmartSet* App.

Join an existing pack

Make sure your unit is in *DMC* intercom mode and that you are within 3 meters /10 ft. from the Pack Creator. While the Pack Creator is in DMC Pairing mode, press for 5 seconds on your unit. The LED will flash Purple to indicate that pairing with the Pack Creator has been successful. The process can also be done from the Advanced Features Menu in Standby mode and via the *Cardo SmartSet* App.

Using DMC intercom

Up to 10 riders can participate in a pack, with all pack members able to speak and hear everyone else. To avoid confusion, only 4 members can be heard at the same time.

To start talking to other members of the pack, tap or use the VOX.

Mute the pack

If for any reason you would like to mute the conversation but still remain a pack member, double-tap . Tap again to rejoin the conversation.

Leaving a pack

If your connection is lost for any reason, you will remain a member of the pack until your PACKTALK unit can reconnect to any of the other members of the pack.
If you choose to leave the pack you can:

- Join a new pack
- Choose 'Leave the Pack' in the Advanced Features Menu in Standby mode
- Use the *Cardo SmartSet* App.

Rejoining a pack

If you have joined a different pack or chosen to leave a pack, and later wish to rejoin the original pack, simply pair your unit with the Pack Creator again. If the Pack Creator is no longer available, a new pack should be created and all members should pair again to the new Pack Creator.

Create a pack	In DMC mode, press for 5 seconds to enter intercom pairing mode. While the LED is flashing, tap to define yourself as the Pack Creator.
Join a pack	While the Pack Creator is in Pairing mode, press for 5 seconds on your unit. The LED will flash Purple to indicate that pairing with the Pack Creator has been successful.
Mute / Unmute the pack	Double-tap
Leave a pack	Via the Advanced Features Menu
Switch Intercom mode	Via the Advanced Features Menu. the *Cardo SmartSet* App, or in Standby, tap and simultaneously • **Bluetooth:** Blue LED • **DMC:** Green LED

5.2 *BLUETOOTH* INTERCOM MODE

Bluetooth Intercom communication is possible using one of the three methods:

Section 5.2a	**"1+8" Toggling** (between scala rider PACKTALK / G9 / G9x and cardo SHO-1 models)	2-way Intercom conversations within a group of up to eight other "1+8" Buddies
Section 5.2b	**Conference via Channels A/B** (with any Cardo or other intercom model)	Intercom Conferencing (2-way, 3-way and 4-way) using Channels **"A"** and **"B"**
Section 5.2c	***Click-to-Link*** (with any CTL-compatible model)	1-on-1 spontaneous intercom conversations with random riders near you who are not already paired to your PACKTALK

5.2a "1+8" INTERCOM TOGGLING
(with PACKTALK, G9 / G9X and cardo SHO-1)

Pair with up to 8 other devices ("1+8" Buddies) and connect with them one at a time by saying their name.

CONFIGURE YOUR BUDDY NAME

Before using "1+8" Intercom, you should assign yourself a Buddy name, so that other paired Buddies can call you by this name. Visit the *Cardo Community* to configure your Buddy Name (see Section 3).

Until you configure a Buddy name, your unit will be known as "PACKTALK".

If you change your Buddy name, you must pair again with your "1+8" Buddies for their devices to receive the new name.

Hear Your Buddy Name	In Standby, press ⊛ and ◑ simultaneously for 2 seconds. You will hear your Buddy name through the speakers.
Check Your Buddy List	Check via the *Cardo SmartSet* and *Cardo Community*. You can also hear your Buddy List through the speakers: In Standby, press ⊛ for 2 seconds

PAIRING "1+8" BUDDIES

There are three ways to pair with "1+8" Buddies:

OPTION 1: Via the *Cardo Community*® *(see 3.1)*

OPTION 2: Via the *Cardo SmartSet App (see 3.2)*

OPTION 3: Manual "1+8" Pairing

1. In Standby, press ⊛ for 5 seconds to enter "1+8" Pairing mode.
2. Enter "1+8" Pairing mode on the second unit.
3. A purple LED for 2 seconds indicates pairing was successful.

If your scala rider already has a full list of 8 paired "1+8" Buddies, pairing another buddy will replace the buddy that you have not spoken to for the longest time.

CALLING "1+8" BUDDIES

There are three ways to start an intercom call with "1+8" buddies.

OPTION 1: Voice Command (VOX)

Say any word loudly into the microphone. When you hear the Voice Command tone, say the name of a "1+8" Buddy i.e. "John Smith". VOX Operation settings must be set to "Voice Command" (see section 3).

OPTION 2: Manual Mode

SAY THE NAME		CHOOSE THE NAME (from your Buddy List):
Tap ⊛ and say the Buddy name	OR	In Standby, press ⊛ for 2 seconds to hear your Buddy List. When you hear the name of the Buddy you wish to call, tap ⊛ or say any word loudly into the microphone. To cancel Buddy List playback: Press ⊛ for 2 seconds.

OPTION 3: Via the *Cardo SmartSet App (see 3.2)*

INTERCOM-TO-PHONE

In *Bluetooth* Intercom mode, if a "1+8" Buddy is not in range, or moves out of range, you have the option to set up the "Intercom-to-Phone" feature via the *Cardo Community*, to remain in contact by diverting Intercom calls automatically to your mobile phones.

5.2b INTERCOM WITH CHANNELS "A" AND "B"

Start multi-party conversations using Intercom Channels **"A"** and **"B"**. This mode is suitable for 2, 3 or 4-way calls.

PAIRING INTERCOM CHANNELS "A" AND "B"

Pairing a channel will replace any existing paired device on that Channel with the newly paired device.

If you have purchased the PACKTALK DUO, both units are factory-paired and configured to communicate via Channel "A". If for any reason you have to pair them again, OR if you wish to pair a different unit to make Intercom calls, proceed as follows:

There are three ways to pair Intercom **(IC)** Channels "A" and "B":

OPTION 1: Advanced Features Menu

1. Make sure your unit is in *Bluetooth* Intercom mode and in Standby.
2. Double-tap to enter the Advanced Features Menu (see 3.3).
3. Select either "Pair Intercom Channel A" or "Pair Interom Channel B".

OPTION 2: Manual Pairing

1. Check that all units are in Standby.
2. **To pair IC Channel A** – press for at least 5 seconds until the RED LED begins flashing rapidly.
   To pair IC Channel B – press for at least 5 seconds until the RED LED begins flashing rapidly. Then double-tap . A flashing BLUE LED indicates Channel "B" pairing mode.
3. Enter IC Pairing mode on the second unit following its user manual. Both units will now be in Intercom Pairing mode.
4. After a few seconds, both units will show a solid LED for 2 seconds, indicating that they are paired and ready to use.
5. If Pairing is not completed within 2 minutes, the units will return to Standby mode.

OPTION 3: Via the *Cardo SmartSet App (see 3.2)*

CARDO GATEWAY

Non-Cardo devices can connect via the "Cardo Gateway", allowing conversation between your PACKTALK and a non-Cardo brand of Bluetooth intercom.

There are two ways to pair with a non-Cardo brand of Bluetooth intercom:

OPTION 1: Advanced Features Menu

Enter the Advanced Features Menu (see 3.3) and select "Cardo Gateway" to enter pairing mode on the scala rider.

OPTION 2: Manual Pairing

Enter Intercom Channel "B" pairing mode (see above) and tap .

Next, enter Mobile Phone Pairing mode on the second unit following its user manual. After a few seconds, both units will show a solid LED for 2 seconds, indicating that they are paired.

If Pairing is not completed within 2 minutes, the units will return to Standby mode.

CALLING INTERCOM CHANNELS "A" AND "B"

OPTION 1: Voice Connect (VOX)

Say any word loudly into the microphone. When you hear the Voice Command tone, say "Call Intercom" to start an intercom call with **"A"** and/or **"B"** (subject to who is present).

VOX Intercom calls with only **"A"** or **"B"** will end automatically after 30 seconds of silence.

OPTION 2: Via the *Cardo SmartSet App (see 3.2)*

OPTION 3: Manual Mode

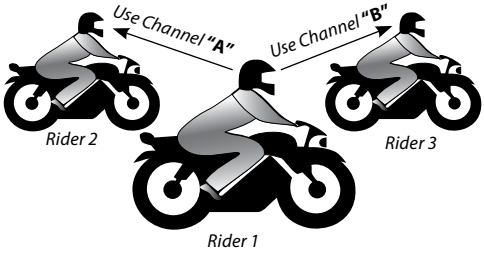
Use this to start an Intercom call with either:

- Channel **"A"**: Tap
- Channel **"B"**: Double tap

To end a call with either Channel **"A"** or **"B" -** tap
To end a conference call with both **"A"** and **"B" -** Press for 2 seconds.

If you are already in an Intercom call with **"A"** or **"B"**, you can add another rider (**"A"** or **"B"**) by double-tapping .

THREE-WAY INTERCOM



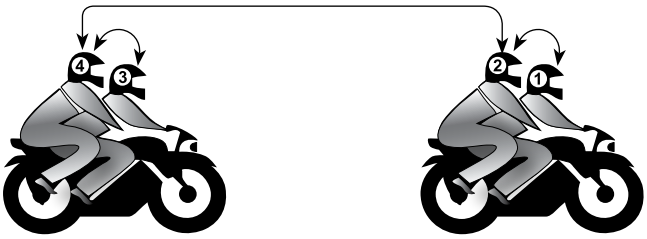
Pairing

Rider "1" is paired to Rider "2" and also to Rider "3".
1. **Rider 1** pairs to **Rider 2** using Channel **"A"**
2. **Rider 1** pairs to **Rider 3** using Channel **"B"**
In this configuration, **Rider 1** is using two *Bluetooth* connections:

IMPORTANT: Conference Mode Considerations

During a 3 or 4-Way Intercom Conference call, riders using both intercom channels "A" and "B" will not be able to receive phone calls or GPS instructions as long as the call is in progress.

FOUR-WAY INTERCOM



Pairing

1. Pair **Rider 1** to **Passenger 2** using Channel **"A"**
2. Pair **Rider 3** to **Passenger 4** using Channel **"A"**
3. Pair **Passenger 2** to **Passenger 4** using Channel **"B"**

In this configuration the two passengers (**2** and **4**) are each using two *Bluetooth* connections:

Calling

1. Make sure the four units are not in an active phone or intercom call.
2. **Passenger 2** should double-tap to call **Passenger 4**. Wait until audio is heard on both units.
3. **Rider 1** should tap to call **Passenger 2**.
4. **Rider 3** should tap to call **Passenger 4**.

5.2c *CLICK-TO-LINK (CTL)* INTERCOM MODE

Click-to-Link is a spontaneous way to instantly initiate 1-on-1 intercom calls with other riders near you, without being paired. Think of it as a private channel that you can set up on-the-go with other riders that you see along the way.

Click-to-Link can be disabled effectively blocking any attempt by a third party to send a *CTL* request to you.

Start a *CTL* call request (search lasts up to 10 sec.)	In Standby, press for 2 seconds
End a *CTL* call / Cancel a *CTL* call request	Tap
Accept a *CTL* call	When hearing the *CTL* ringtone: Tap or say any word loudly to answer by VOX
Reject a *CTL* call	While hearing the *CTL* ringtone, remain silent until the ring tone stops, or press for 2 seconds
Enable / Disable *CTL* *(Enabled by default)*	See section 3

If other riders are nearby, your next *Click-to-Link* call may randomly connect to any of them.

5.3 BUSY SIGNAL

When attempting to establish an Intercom call with another device that is already busy, a "busy" signal will be heard. The scala rider is busy while on a phone call, intercom call with Channels **"A"** ***and*** **"B", "***1+8"* intercom call or *CTL* call.

5.4 RECEIVING INTERCOM CALLS

If a paired unit tries calling you via Intercom, the call will begin almost instantly.

6. USING A MOBILE PHONE, GPS OR MP3 PLAYER

To use a *Bluetooth* device with your scala rider PACKTALK you must first pair them. Once paired, they will automatically recognize each other whenever they are within range (10m / 33ft).

Your scala rider has two *Bluetooth* channels to connect mobile phones, GPS devices and music players with A2DP.

6.1 PAIRING *BLUETOOTH* CHANNELS 1 AND 2

1. Make sure *Bluetooth* is enabled on your phone/GPS/MP3 player.
2. Check the unit is in Standby (single flash every 3 seconds).
3. **To pair *Bluetooth* Channel 1** – press for at least 5 seconds until the RED and BLUE LEDs begin rapidly alternating.
   To pair *Bluetooth* Channel 2 – press for at least 5 seconds until the RED and BLUE LEDs begin rapidly alternating.

To pair a GPS, when LEDs begin rapidly alternating, roll the either forward or back.

4. Search for *Bluetooth* devices on your phone/GPS/MP3 player by following the device's instructions.
5. After a few seconds the device will list "PACKTALK". Select it.
6. If prompted for a PIN or Passkey, enter 0000 (four zeros).
7. The device will confirm that pairing has succeeded and your unit will return to Standby mode, LED flashing once every 3 seconds.
8. If pairing is not completed within 2 minutes, the unit will return to Standby mode.

- *If you have paired 2 different mobile phones directly to your scala rider, you will need to set one as default for making calls.*
- *If your GPS supports it, you can pair the second mobile phone directly to the GPS and then pair the GPS to your scala rider, and so connect both mobile phones and the GPS to your scala rider.*
- *Not all Bluetooth mobile phones broadcast Bluetooth Stereo music (A2DP), even if the phone has an MP3 player function. Consult your mobile phone's User Manual for more information.*
- *Not all Bluetooth GPS devices allow connection to Bluetooth audio devices. Consult your GPS User Manual for more information.*
- *After pairing, you may need to tap to connect.*

6.2 MAKING AND RECEIVING PHONE CALLS

Answer a call	Tap or speak any word loudly to answer by VOX
Reject a call	Remain silent for 15 seconds, or press for 2 seconds
End a call	Tap
Voice Dial* (if supported by mobile phone)	Tap or use the Feature Menu
Redial*	Double-tap or use the Standby Feature Menu
Hot Dial†	Tap three times or use the Standby Feature Menu
Set default mobile‡	While on a phone call, press for 5 seconds
Change default mobile	In Standby, press for 2 seconds
INTERCOM CONFERENCE MODE	
Add/Remove Channel "A" to/from a call	Tap while on a phone call
Add/Remove Channel "B" to / from a call	Double-tap while on a phone call

* This feature is not available during intercom or mobile calls
† Configure a Hot-Dial number via the *Cardo Community* or *Cardo SmartSet App*
‡ If 2 mobile phones are paired directly, you need to set one as default for outgoing calls

6.3 LISTENING TO MUSIC VIA A2DP

Available only with A2DP/AVRCP compatible *Bluetooth* audio devices

Play	In standby, tap or use the Voice Command / Feature Menu
Pause/Stop	Press for 2 seconds or use Voice Command
Next Track	With music ON, tap or use Voice Command
Previous Track*	With music ON, double-tap or use Voice Command
Music Scan	With music ON, tap and roll forward (scans up) or back (scans down). The first few seconds of each audio track will be played.
Stop Scan	To stop the scan on the current track, say any word loudly into the microphone or tap

*With some phones you may need to repeat this action

SWITCHING BETWEEN A2DP AUDIO SOURCES

If two A2DP audio sources are paired, the scala rider will use the default A2DP audio source. To switch to the other audio source:

1. Stop the music playback from the current device.

2. Start music playback on the other device.

Your scala rider will automatically remember your last played device.

6.4 MUSIC SHARING

Music Sharing allows rider and passenger to listen to the same music within a range of 33 ft / 10m.

Music Sharing works only in *Bluetooth Intercom* mode and with A2DP (*Bluetooth* stereo) enabled audio sources. In order to share your music with your riding partner, your scala rider [SENDER] needs to be paired to the other unit [RECEIVER] on CHANNEL A and the RECEIVER must be in Standby mode.

[SENDER] Start/Stop sharing your music:	During A2DP music playback, press for 2 seconds
[RECEIVER] Stop music sharing:	Press for 2 seconds

Phone/Intercom calls and GPS audio navigation will override music playback.

Music Sharing does not transmit voice audio and cannot be used as an Intercom call.

7. FM RADIO

Your scala rider includes a built-in FM radio with a 6 Preset memory and RDS (Radio Data System).

RDS allows the radio to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak.

Radio On	In standby, double-tap ▶ or use Voice Command or the Standby Feature Menu
Radio Off	Press ▶ for 2 seconds or use Voice Command
Next Station	With radio on, tap ▶ or use Voice Command
Previous Station	With radio on, double-tap ▶ or use Voice Command
RDS ON/OFF (Default: Off)	See section 3 to adjust the settings

7.1 RADIO TUNING

Preset stations can easily be set via the *Cardo Community* and the *Cardo Smartset* App.

You can also save preset stations directly on your scala rider:

1. With the radio on, select a Preset number you wish to set (Preset 1 – 6) by tapping ▶ until the desired preset is heard.
2. Find an FM station to save using Seek or Scan.

Seek a Station (Find the next station)	Choose a preset by tapping ▶ Press ▶ for 5 seconds to seek a radio station Tap ▶ within 20 seconds to save to current preset
Scan stations (Automatically scans for stations)	With radio on, tap ⊛ and then roll either forward or backward to start scan To stop scan, tap ▶ Tap ▶ within 20 seconds to save to current preset To continue scan, wait for the next station to be found.

7.2 AUTOMATIC RADIO TUNING

Find 6 temporary radio stations. These stations cannot be saved and do not replace your saved FM Presets. Turning off your unit will clear the temporary stations and restore the FM Presets.

1. With the radio on, tap ▶ three times.
2. The radio will search upwards (higher frequency) from the current station and store the next 6 FM stations it discovers.
3. If desired, repeat to store the next 6 FM stations.

8. TROUBLESHOOTING

Reboot	If the unit stops responding, tap ▶ and ⊖. Then press ▶ for 2 seconds.
Reset to Factory Settings (Deletes all paired devices)	In Standby, double-tap ⊛. In the Advanced Features menu select Reset to Factory Settings.

9. SUPPORT

For additional information:

www.cardosystems.com

support@cardosystems.com

USA and Canada: 1-800-488-0363
International: +49 89 450 36819

IMPORTANT

MULTINATIONAL COMMERCE COMPANIES AND ONLINE AUCTION WEBSITES ARE NOT AUTHORIZED TO SELL CARDO PRODUCTS AND PURCHASES FROM SUCH SITES ARE AT YOUR OWN RISK. TO RECEIVE WARRANTY OR CUSTOMER SERVICE, YOU MUST SUBMIT ORIGINAL RECEIPTS FROM AUTHORIZED CARDO DEALERS.

PRODUCTS THAT WERE IMPORTED FROM NORTH AMERICA MUST BE SERVICED IN THE USA.

10. NOTICES

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC/IC multi-transmitter product procedures.

Instructions concerning human exposure to radio frequency electromagnetic fields - to comply with FCC Section 1.310 for human exposure to radio frequency electromagnetic fields, a distance of at least 3 cm. between the equipment and all persons should be maintained during the operation of the equipment.

Industry Canada (IC)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

IC RF Radiation Exposure Statement:

This equipment complies with the RSS-102 exemption from routine RF exposure evaluation for use in an uncontrolled environment.

European CE Notice

Your Cardo product (the "Product") is in conformity with the following essential requirements of Council Directive 1999/5/EC (referred to as R&TTE Directive): Articles 3.1a, 3.1.b and 3.2. The Product is manufactured in accordance with Annex II of the above directive.

Product Weight (main module): 55.2g (1.95 oz)

Operating temperature: The Product is designed to work in temperatures between -20° and 55° C (-4° and 131° F).

Charging temperature: Battery charging temperature limits: 0° - 45°C (32°-113°F)

AC/DC Adapters: When charging from a wall outlet, use the charger provided or another certified plug-in AC/DC adapter that meets the following criteria:

Input: 100-240 V, 50/60 Hz, 0.2 A maximum
Output: 5 DV DC, 1 A maximum.

Declaration of Conformity (DOC)

The Product is compliant with and adopts the *Bluetooth*® Specification 4.0 and has successfully passed all interoperability tests that are specified in the *Bluetooth*® specification. However, interoperability between the device and other *Bluetooth*®-enabled products is not guaranteed.

Copyright

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IMPORTANT SAFETY AND WARRANTY INFORMATION – WAIVER AND GENERAL RELEASE

WARNING:

Cardo Systems Inc., ("Cardo" or the "Company") notifies you that your complete and undivided attention is required when using a communication device (the "Product") while riding. Failure to avoid potentially hazardous situations could result in accident resulting in serious injury or death.

Cardo advises you to take all necessary precautions and remain alert to the traffic, weather and all road conditions. It is best to stop away from traffic prior to activating or deactivating the Product or initiating or receiving any calls.

Do not perform pairing, linking or similar operations while riding. All publications are intended to address technical capabilities and should not be construed as encouraging the operation of Cardo's Products in any manner that is unsafe or prohibited by law.

Exercise all due caution while using this Product and obey all applicable traffic laws. Always ride and use the Product in a safe manner. Do not become distracted by the Product while riding on a vehicle. When riding, always consider road, traffic, terrain and other conditions to maximize safety. Do not operate the Product if it becomes unsafe to do so.

In some regions or states, the use of mobile communications systems is prohibited or restricted. Check all laws and regulations that apply to your region before using the Product and be mindful that compliance with all laws and regulations is the user's responsibility. Use the Product in motion only where and in the manner that such devices are permitted by applicable law. The Product should not be used in contravention of local, state or federal laws and regulations. Please check federal, state and local laws and regulations before using your Cardo Product.

No part of the body should come in contact with the antenna during operation of the equipment. Use Product only where safe, and avoid usage at gas stations, fuel depots or around explosives. Use with hearing aids and medical devices only after consulting a physician or specialist. Make sure to install and mount the Product in a stable manner.

HEALTH WARNINGS:

Hearing Loss

Audio devices can cause hearing loss. Employ care and avoid exposure to excessive volume levels that may damage or impair hearing or lead to hearing loss. Permanent hearing loss may occur if Products are used at high volume for prolonged periods of time.

RF Signals

Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids

Some devices may interfere with certain hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

LIMITED WARRANTY

Subject to the applicable laws and regulations in your jurisdiction, your Product is covered by a **Two-Year** Limited product warranty from the date of original purchase. Please retain the retail sales receipt and your registration data for proof of purchase.

Subject to the aforementioned, Cardo hereby represents that this Product is warranted to be free from defects in materials or workmanship (proof of purchase and registration required). Within the subject period, Cardo will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any shipping cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

This Product is intended to be used only as a communication and entertainment device and should not be used in any location or jurisdiction where its use is prohibited.

The warranties and remedies contained herein are exclusive and in lieu of all other warranties express, implied or statutory, including any liability arising under any warranty of merchantibility or fitness for a particular purpose, statutory or otherwise that Cardo specifically disclaims. This warranty gives you specific legal rights which may vary from state to state or from jurisdiction to jurisdiction. Cardo makes no other warranties express or implied beyond those stated specifically herein. This warranty is extended by Cardo solely to the original purchaser and is not assignable or transferable to others. Cardo assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of the company.

Batteries are warranted only if the battery capacity falls below 50% of rated capacity or if the battery develops leakage.

IMPORTANT: Do not store your Product without charging it from time to time for periods in excess of six months, as this may cause irreversible damage to the capacity of your battery. Your warranty will not cover such events.

This warranty also becomes void if:

a. any of the seals on the case or battery are broken or Product or battery show signs of tampering,

b. the battery is used in equipment other than the equipment for which it was intended.

c. the Product is used in contravention of its intended purpose

d. the Product was purchased from online auctions

Cardo assumes no responsibility resulting from the use of non-Cardo components or products in conjunction with its Products, and specifically the use of third party chargers or *Bluetooth*® devices. Furthermore, Cardo is not responsible for any damage to any part of the Product resulting from the use of ancillary equipment not furnished by Cardo which is attached to or used in connection with the Product.

Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Not covered by the warranty:

1. Defects or damage resulting from the use of this Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind (incl. long-term storage without periodic charging of the battery).
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of food or liquid.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Disclaimer of Warranty

The device and its accessories are provided “as is” and “as available” without warranty of any kind beyond those assumed in the enclosed manual.

LIMITATION OF LIABILITY

In no event shall Cardo be liable for any incidental, special, indirect, punitive, exemplary or consequential damages, whether resulting from the use, misuse, or inability to use this product or from defects in the product, or for any damages whatsoever resulting from the use of the product, whether based on breach of contract, tort (including negligence), product liability or otherwise even if advised of the possibility of such damages. You acknowledge and agree that the limitations set forth above are fundamental elements of this agreement to which you consent and without which the product would not be provided to you absent such limitations. Some states do not allow certain exclusions of incidental or consequential damages, so the above limitations may not apply to you.

Cardo retains the exclusive right to repair or replace (with a new or newly-refurbished replacement Product) the device or software or give a refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

Warranty Service

To obtain warranty service, your Product must be registered. Register online at: **www.cardosystems.com/registration**. Please present the Product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the Product.

To obtain warranty service, contact Cardo’s product support and obtain an RMA tracking number, or contact your local Cardo authorized dealer. Ship securely with a copy of the original sales receipt which is required as proof of purchase for warranty repairs. The RMA tracking number should be written on the outside of the package. Send the Product freight charges prepaid, to the Cardo address as directed by Cardo.

Online Auction Purchases: Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Cardo will not replace missing components from online auction sites.

Other manufacturers: Cardo is not responsible for and expressly disclaims any responsibility for how Cardo Products are used or misused arising out of use with products, services or information of other vendors.

WAIVER AND GENERAL RELEASE

By using the Product, you will waive substantial legal rights including the right to sue. Please read the following carefully before using the Product.

By using the Product, you are irrevocably releasing, indemnifying from any liability, loss, claim and expense (including attorneys fees) and holding Cardo harmless for any bodily injuries, harm or death as well as losses or damages in goods, to any vehicles including your own, or to any property or asset that belong to you or to third parties, any of which may result from using the Product under any circumstances or conditions and irrespective of jurisdiction.

1. You, your heirs, legal representatives, successors or assigns, hereby voluntarily and forever release, discharge, indemnify and hold harmless Cardo from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from using the Product for any distress, pain, suffering, discomfort, loss, injury, death, damages to or in respect to any person or property however caused, WHETHER ARISING FROM THE NEGLIGENCE OR OTHERWISE, and which may hereafter accrue to you on some future date as a result of said use, to the fullest extent permitted by law.

2. You fully understand and assume the risks in using the Product, including risk of negligent acts or omissions by others. All risks for operating the Product are assumed solely by the user of the Product.

3. You confirm that you are physically capable to use the Product and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You further confirm that you will not consume any alcohol that may affect your alertness or any mind-altering substance, and will not carry, use or consume these substances before or during the use of the Product.

4. You fully acknowledge our warnings and understand that:

(a) risks exist in using the Product while in traffic, including but not limited to injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability;

(b) these risks may be caused by the negligence of the manufacturers or its agents or any third party involved in the Product;

(c) these risks and dangers may arise from foreseeable or unforeseeable causes.

You hereby assume all risks and dangers and all responsibility for any losses and/or damages, whether caused in whole or in part by the negligence or other conduct of others, including Cardo.

5. By using the Product, you confirm that you have read this release of liability and fully understand and accept its terms and conditions.

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